**BS-240VET** 

Clinical Chemistry Analyzer



WARNING 0 WARNING MOVING PARTS

**Technical Specifications** 

System function

Automatic, Discrete, Random Access, Bench-top

STAT sample priority

Reagent/Sample Handling

Methodology:

Tray:

Probe:

Probe cleaning:

Throughput: Up to 200 T/H, up to 400 T/H with ISE Principles: Absorbance photometry, Turbidimetry,

Ion Selective Electrode technology

End-point, Fixed-time, Kinetic, optional ISE, Single/Dual reagent chemistries,

Monochromatic/Bichromatic

80 reagent positions and 40 sample

Liquid level detection, vertical collision

protection, inventory checking,

and reagent pre-warming

positions in refrigerated (2~12°C)

compartment

Reagent volume: 10~250µl, step by 0.5µl

Sample volume: 2~45µl, step by 0.1µl

**Mixing Unit** 

Independent mixing bar

**ISE Module (optional)** 

Measuring K+, Na+, Cl-

Cuvette Washing: Washing station with pre-warmed detergent

and water

**Optical System** 

Light Source: Halogen-tungsten lamp

Wavelength: 8 wavelengths, 340nm, 405nm, 450nm,

510nm, 546nm, 578nm, 630nm, 670nm

Absorption range: 0~4.0 Abs (10mm conversion), resolution

0.0001Abs

Stray Light: 5.6Abs

**Control and Calibration** 

Calibration modes: Linear (one point, two points and

multi-points), Logit-Log 4P, Logit-Log 5P,

Spline, Exponential, Polynomial, and Parabola

Control Rules: X-R, L-J, Westgard multi-rule, Cumulative sum

check, twin plot

Automatic pre-dilution and post-dilution Sample dilution:

Interior and exterior automatic probe washing

**Operation Unit** 

Operation system: Windows 8 and Windows 10

RS-232 Interface:

Internal bar code reader (optional)

Rotating tray, 40 reusable cuvettes

Sample/Reagent barcode reading including Codabar, ITF (Interleaved Two of Five), code 128, UPC/EAN, Code 93;

Optical length 5mm

Carry over < 0.05%

Bi-directional LIS interface transmission

**37** ℃

± 0.1 °C

**Working Conditions** 

200~240V, 50/60Hz, ≤1000VA or 100~130V, Power Supply:

60Hz, ≤1000VA

690 mm (L) ×580 mm (D) ×595 mm (H) Dimension:

Weight: 79 kg

Water Consumption: ≤ 4 L/H, CLSI type II

15~30℃ Temperature:

Humidity: 35%~85%, without condensation

**Reaction System** 

Reaction rotor:

Cuvette:

Reaction volume: 100~360µl

Temperature:

Fluctuation:

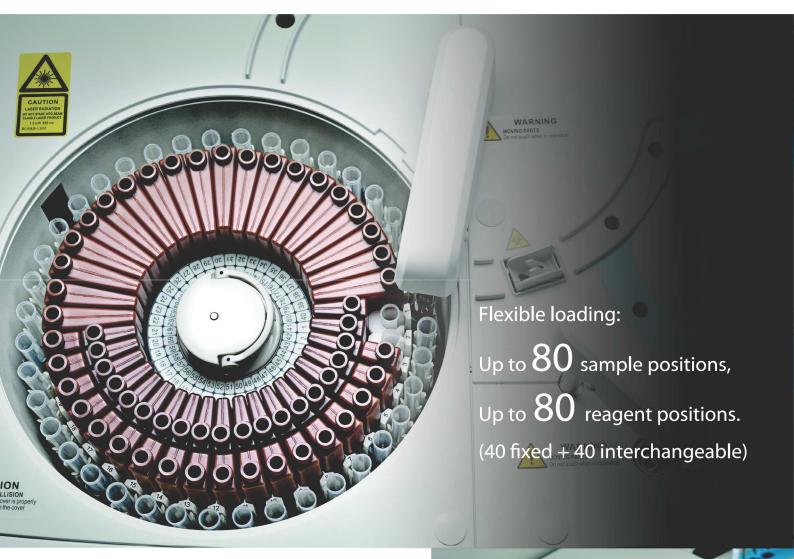
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 $\begin{array}{c} 100\mu I \\ \text{minimum reaction volume} \end{array}$ 



## Intelligent Probe

Liquid level detection Collision protection Reagent pre-warming



